

Table 44. Employed doctoral scientists and engineers, by field of doctorate and broad occupation: 1999

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Field of doctorate	Total	S&E occupations														Non-S&E occupations					
		All S&E occupations	Computer and information scientists		Mathematical scientists		Life and related scientists		Physical and related scientists		Social and related scientists		Psychologists		Engineers		All non-S&E occupations	Top/mid managers, admin.	Health and related	Teachers, except S&E postsec.	Other
			Non-teacher	Postsec. teacher	Non-teacher	Postsec. teacher	Non-teacher	Postsec. teacher	Non-teacher	Postsec. teacher	Non-teacher	Postsec. teacher	Non-teacher	Postsec. teacher	Non-teacher	Postsec. teacher					
[Percentage distribution]																					
All fields.....	553,360	100.0	4.8	1.1	1.2	2.4	12.3	6.5	8.9	4.7	2.5	5.7	8.8	3.0	10.4	3.1	24.7	11.9	3.1	4.3	5.3
Sciences.....	457,470	100.0	4.1	1.1	1.3	2.8	14.7	7.8	10.3	5.6	3.0	6.9	10.6	3.6	1.9	0.3	26.0	11.8	3.6	4.9	5.6
Computer/information sciences.....	9,600	100.0	49.9	29.0	0.5	0.5	0.2	0.2	0.1	S	0.2	0.2	S	S	3.1	0.4	15.5	8.7	0.1	2.2	4.6
Mathematical sciences.....	25,300	100.0	15.2	4.9	12.5	46.1	0.5	0.2	0.6	0.4	S	0.4	0.2	0.1	1.7	0.9	16.5	9.4	0.4	1.9	4.8
Biological and agricultural sciences.....	134,360	100.0	1.5	0.1	0.6	0.3	43.0	23.5	1.6	1.8	0.1	0.2	S	0.1	0.7	0.1	26.3	10.5	7.3	2.9	5.6
Agricultural/ food sciences.....	16,560	100.0	1.8	0.5	S	S	47.3	21.7	2.7	1.6	S	0.6	S	S	0.7	S	23.1	11.4	1.2	2.6	7.9
Biological sciences.....	112,840	100.0	1.5	S	0.7	0.3	42.8	24.2	1.2	1.6	S	0.1	S	0.1	0.5	0.1	26.7	10.1	8.5	2.9	5.2
Environmental life sciences.....	4,970	100.0	1.6	0.5	1.0	S	33.4	13.9	9.0	5.5	2.2	1.2	S	S	4.6	1.0	26.1	16.5	1.3	2.6	5.7
Health sciences.....	19,310	100.0	0.4	S	1.0	S	14.8	6.9	2.2	S	1.6	0.9	0.8	0.5	0.3	S	70.6	15.4	18.9	33.0	3.2
Physical and related sciences.....	110,300	100.0	5.2	0.4	0.2	0.3	4.3	1.1	39.8	20.4	0.2	S	S	S	6.0	0.9	21.1	12.2	1.2	1.5	6.1
Chemistry except biochemistry.....	55,810	100.0	2.4	0.3	S	S	6.8	1.0	42.1	18.7	0.1	S	S	S	3.9	0.4	24.3	15.1	1.7	1.6	5.9
Earth/atmos/ocean sciences.....	15,940	100.0	3.3	0.1	S	0.2	3.1	1.5	46.2	27.2	S	S	S	S	2.8	0.8	14.7	8.0	0.4	1.9	4.4
Physics and astronomy....	38,560	100.0	10.0	0.7	0.7	0.7	1.3	1.1	33.8	19.9	0.4	0.1	S	0.1	10.6	1.5	19.2	9.8	0.9	1.3	7.2
Social sciences.....	74,300	100.0	1.5	0.6	1.2	0.6	0.5	0.7	0.3	0.9	16.6	41.3	0.8	0.5	0.3	S	34.2	15.9	1.1	9.6	7.6
Economics.....	21,190	100.0	1.3	0.6	0.9	0.2	0.2	1.5	0.1	0.1	28.7	41.4	0.1	S	0.1	S	24.6	15.1	0.4	5.3	3.8
Political and related sciences.....	16,090	100.0	1.0	0.5	0.8	S	S	0.1	S	S	10.5	51.9	0.3	0.2	0.3	S	34.3	19.2	1.0	5.6	8.6
Sociology.....	13,420	100.0	0.9	0.3	1.2	0.4	0.2	S	S	0.1	14.1	50.2	0.9	0.5	0.2	0.2	30.9	15.6	1.4	7.4	6.5
Other social sciences.....	23,590	100.0	2.2	0.9	1.8	1.4	1.3	0.9	0.8	2.6	11.2	29.1	1.8	1.0	0.4	S	44.6	14.7	1.7	17.4	10.8
Psychology.....	84,300	100.0	1.5	0.1	0.5	S	1.3	1.0	S	S	0.8	0.4	56.6	18.6	0.4	S	18.8	10.2	1.0	3.3	4.3

See explanatory information and SOURCE at end of table.

Table 44. Employed doctoral scientists and engineers, by field of doctorate and broad occupation: 1999

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Field of doctorate	Total	S&E occupations														Non-S&E occupations					
		All S&E occupations	Computer and information scientists		Mathematical scientists		Life and related scientists		Physical and related scientists		Social and related scientists		Psychologists		Engineers		All non-S&E occupations	Top/mid managers, admin.	Health and related	Teachers, except S&E postsec.	Other
			Non-teacher	Postsec. teacher	Non-teacher	Postsec. teacher	Non-teacher	Postsec. teacher	Non-teacher	Postsec. teacher	Non-teacher	Postsec. teacher	Non-teacher	Postsec. teacher	Non-teacher	Postsec. teacher					
[Percentage distribution]																					
Engineering.....	95,890	100.0	8.1	1.1	0.6	0.4	0.9	0.6	2.4	0.4	0.1	S	S	S	50.7	16.3	18.2	12.4	0.7	1.2	4.0
Aerospace/aeronautical engineering.....	4,360	100.0	6.0	S	S	0.2	0.2	0.1	1.4	0.9	S	S	S	S	52.4	22.0	16.7	11.9	0.6	S	4.2
Chemical engineering.....	12,520	100.0	4.7	0.2	0.3	0.1	1.3	0.6	2.4	0.1	S	S	S	S	60.2	11.5	18.5	13.5	0.9	0.9	3.2
Civil engineering.....	8,700	100.0	2.6	0.5	0.5	0.2	0.1	S	1.7	0.3	S	0.1	S	S	52.7	29.2	12.3	8.6	0.2	0.6	2.9
Electrical/computer engineering.....	25,980	100.0	14.2	2.3	0.3	0.1	0.2	0.1	2.0	0.3	0.2	S	S	S	45.2	15.4	19.7	14.6	0.6	0.5	4.1
Materials/metallurgical engineering.....	9,970	100.0	3.1	0.4	0.2	0.2	0.5	0.3	5.1	0.9	S	S	0.2	S	60.6	8.6	19.9	14.9	S	0.7	4.4
Mechanical engineering.....	12,780	100.0	7.0	0.4	S	0.2	0.4	0.3	0.7	0.3	S	S	S	S	57.7	17.6	15.4	10.2	0.6	0.2	4.4
Other engineering.....	21,580	100.0	8.2	1.2	1.8	1.4	2.5	1.7	3.3	0.7	0.3	0.2	0.1	S	42.1	16.7	19.9	10.9	1.3	3.4	4.3

KEY: S=Suppressed due to too few cases (fewer than 50 weighted cases).

NOTE Numbers are rounded to nearest ten. Details may not add to total because of rounding.

SOURCE National Science Foundation/Division of Science Resources Statistics, 1999 Survey of Doctorate Recipients